

Date: Mon, 21 Jun 93 11:30:29 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #757
To: Info-Hams

Info-Hams Digest Mon, 21 Jun 93 Volume 93 : Issue 757

Today's Topics:

[ANS] Wanted: Simple,Cheap,2m antenna project
AM Broadcast Radio Antenna (2 msgs)
Amiga Morse Software (was: Re: Mac Morse Software)
Belden 9913 Coax (2 msgs)
Callbook Server
FD ARRL Section List (3 msgs)
Field Day
HELP: freq's for RS10/11
KLM Antenna Weatherization
SAREX help
Trade Wanted: Radio for Modem
TV vs Cable. Why Pay for a FREE Signal
Utah Balloon Flight.
VE3UOG - Guelph
WB2LHY

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Jun 93 14:17:38 GMT
From: walter!porthos!dancer!whs70@RUTGERS.EDU
Subject: [ANS] Wanted: Simple,Cheap,2m antenna project
To: info-hams@ucsd.edu

In article <9306202222.AA02949@tecnet1.jcte.jcs.mil> jdelancy@tecnet1.jcte.jcs.mil
writes:

>> Name hr is Swami (in Kingston, RI). I want to know if anyone has

>> plans for building a simple cheap 2m beam, or quad etc.
>
>
>Define "cheap". If fifty bucks falls in that category, wonder
>down to you local rip-off-shack (Radio Shack) and get there
>super-duper scanner antenna that also works on the ham bands
>of 144, 220, 440, 900, and 1200. Hasn't got the gain of a beam
>but it "cheap" and simple.

About 2 or 3 months ago, QST had a do-it-yourself construction article for a three element 2m beam, total cost of materials was about \$8 plus the cost of Coax. It used brass rod (or welding rods) and PVC pipe.

Can't get much cheaper than that for a directional antenna.

Cheaper still as an omni-directional antenna is the ground plane using an SO-239 connector and brass rod. Cost is about \$5.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: Mon, 21 Jun 1993 17:05:42 GMT
From: usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!mikew@network.UCSD.EDU
Subject: AM Broadcast Radio Antenna
To: info-hams@ucsd.edu

David:

I've never seen a radio which will follow a network as you move between station coverages... networks are not common here in general.

I've seen (but not heard) a Sony car stereo which uses two front ends and two antennas to make a space-diversity receiver for the FM broadcast band (88-108MHz over here). I believe it uses a voting receiver to pick whichever antenna has the highest SINAD (or equivalent) at each instant. I've always wanted such a beast to get rid of the picket fencing and the interference nulls that are common in hilly terrain like the SF Bay Area. Don'tcha hate it when you're stopped at a traffic signal and your antenna is right in the null of the station that you're trying to hear?

A friend who had one of these beasts also claims that it has the best

car stereo tuner (sensitivity/selectivity) that he's seen.

-mike

[nosave]

mikew@sad.hp.com (HP internal)	mailstop 1UR-M
mikew%hpsad@relay.sde.hp.com	Hewlett-Packard Co.
	Santa Rosa Systems Division
Mike Weihman	1212 Valley House Drive
MMS Manufacturing Engineering	Rohnert Park, CA 94928
(707) 794-4454	

Date: 21 Jun 1993 17:43:38 GMT
From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!ksampath@network.UCSD.EDU
Subject: AM Broadcast Radio Antenna
To: info-hams@ucsd.edu

In article <C8zE5J.A26@srigenprp.sr.hp.com> mikew@sad.hp.com (Mike Weihman) writes:
>David:
>I've seen (but not heard) a Sony car stereo which uses two front ends
>and two antennas to make a space-diversity receiver for the FM
>broadcast band (88-108MHz over here).

i saw a similar system in a '93 infinity g30 car. don't know if it was
default or was a special option.....

krishna
kb8fav
--

krishna s. sampath....graduate research associate...kss@lenz.eng.ohio-state.edu
ohio state u, electroscience lab.....(614) 292-7981 (w).....(614) 292-7297 (f)
1320 kinneer rd, columbus, oh 43212..06/93 ee phd looking for emi/emc/comm. job

Date: 21 Jun 93 15:02:37 GMT
From: rit!isc-newsserver!ultb!bad1679@cs.rochester.edu
Subject: Amiga Morse Software (was: Re: Mac Morse Software)
To: info-hams@ucsd.edu

I use a program called cwtoy (works under wb1.3 and wb3.0). I think I
got it off a fish disk. I tried mailing "the author or this thread, but

got a Name Server error. If anyone wants to try cwtoy, I'd be happy to mail it to you uuencoded.

Bernd Doehner nu1s

--

Electrical Engineering, Rochester Institute of Technology, Rochester, NY
Ax25 Packet: NU1S @ WB2PSI.#WNY.NY.USA.NOAM (normal packet route)
TCP/IP: nu1s@nu1s.ampr.org [44.69.0.37]
Internet (school): bad1679@ultrb.isc.rit.edu

Date: Mon, 21 Jun 1993 17:03:54 GMT
From: usc!elroy.jpl.nasa.gov!swrinde!sdd.hp.com!col.hp.com!news.dtc.hp.com!
hpsc.it.sc.hp.com!icon.rose.hp.com!cmoore@network.UCSD.EDU
Subject: Belden 9913 Coax
To: info-hams@ucsd.edu

Cecil A Moore (Cecil_A_Moore@ccm.hf.INTEL.COM) wrote:
: >9913 has approximately 3db of loss per 100' at 330mhz.

: The ARRL Handbook says 2.3 db loss per 100' at 330 MHz and 3 db loss
: per 100' at 520 MHz. Which is correct? I just bought some for 440.
: Is 2.3 approximately 3 or is the Handbook wrong?
: Cecil...KG7BK

My Belden catalog says 100 ft of 9913 has 1.8db loss at 200 MHz and
2.7 at 400 MHz. This seems to agree with the Handbook numbers.

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: 21 JUN 93 10:18:44
From: pa.dec.com!oct17.dfe.dec.com!ryn.mro4.dec.com!cimfie.enet.dec.com!
taber@decwrl.dec.com
Subject: Belden 9913 Coax
To: info-hams@ucsd.edu

In article <930620130704_1@ccm.hf.intel.com>, Cecil_A_Moore@ccm.hf.INTEL.COM
(Cecil A Moore) writes...

>>9913 has approximately 3db of loss per 100' at 330mhz.

>

>The ARRL Handbook says 2.3 db loss per 100' at 330 MHz and 3 db loss
>per 100' at 520 MHz. Which is correct? I just bought some for 440.

>Is 2.3 approximately 3 or is the Handbook wrong?

>Cecil...KG7BK

I suggest you take out a pencil and paper and calculate the loss difference in terms of S-Units and then ask yourself if it matters....

>>>==>PStJTT

Date: 21 Jun 1993 16:53:06 GMT
From: sun-barr!west.West.Sun.COM!l1-a!flloyd@decwrl.dec.com
Subject: Callbook Server
To: info-hams@ucsd.edu

In article <C8xM0q.Jz6@acsu.buffalo.edu> bowen@cs.Buffalo.EDU (Devon E Bowen) writes:

>

>In article <C8vx97.7MD@dxis.monroe.pa.us>, k2ph@dxis.monroe.pa.us (Bob Schreibmaier) writes:

>> One question about the format: It appears that station location
>> no longer appears in the output, as it did automagically with the
>> previous database. Is there some option we can set to make this
>> information appear?

>

>I've been told that the FCC no longer distributes this information with
>the data.

>

>Devon

Just a small point here: The FCC no longer _catalogs_ the station location information. They have purged their databases of it and do not record the entry from the 610 form. Future editions of the 610 form will not include this item. For kicks, try asking your local VE testing team if they are aware of this! I'll bet you'll get any number of (wrong) answers. Look in the May copy of QST for a small sidebar about this issue.

Another sign of the changing times....

-fred

[Fred Lloyd, AA7BQ
[Sun Microsystems,
[Phoenix, AZ

Fred.Lloyd@West.Sun.COM]
Systems Engineer]
(602) 224-3517]

Date: Mon, 21 Jun 1993 17:08:53 GMT
From: hal.com!olivea!sgigate!odin!chuck.dallas.sgi.com!adams@decwrl.dec.com
Subject: FD ARRL Section List
To: info-hams@ucsd.edu

Gang,

for field day, every year, there are some who don't know the proper abbreviations for the sections. here is a list (hopefully it is accurate, but some typos may have slipped in and i know i will hear about them ;-)

call area sections

1 CT EMA ME NH RI VT WMA
2 ENY NLI NNJ SNJ WNY
3 EPA DE MD WPA
4 AL GA KY NC NFL SC SFL TN VA PR VI
5 AR LA MS NM NTX STX WTX OK
6 EB LAX ORG SB SCV SDGO SF SJV SV PAC
7 AZ ID MT NV OR UT EWA WWA WY AK
8 MI OH WV
9 IL IN WI
0 CO IA KS MN MO NE ND SD
VE MAR QUE ONT MB SK AB BC

list made up from arrl section map in arrl operators handbook.
last SS i worked was before all the new sections!! so the clean sweep
list didn't help at all..... :-(

so gang, memorize it. of course, there will be some operators on the other end that want repeats because you are using the correct abbreviation and they didn't catch it and there will be unexpected abbreviations received from them. keeps us all on our toes i guess. check which section you're in before the games begin. field day chairperson will probably already know this.

of course, with everybody keeping their old calls independent of geographical location, a section doesn't always correspond with the stations call area..... i won't get on the soapbox on this one. ;-)

notes: PAC is pacific for KH6s on the islands
AK is Alaska for KL7s in the north
PR is Puerto Rico
VI is Virgin Islands

hint: wanna increase your CW speed? work FD and SS. your code speed
will really go up in a hurry. get an Elmer and help them with logging
and dapping to start. requires earphones for both in most cases.

after this test you'll be copying morse from the shower, the fans, and lots
of background noise. ;-)

good luck in the TEST (Emergency Preparedness). watch out for the critters
and Murphy. this is the largest gathering of radio amateurs to see who can
destroy the most equipment..... :-) war stories to follow next week.

73 de NTX u b 599 hr om. dit dit
Dinasour Valley DX Society /5 QRP

flames to follow on the internet for typos, etc. :-) let the games begin.

--

"This is UNIX(tm)! I can do this." - Lex in Jurassic Park in front of
SGI workstation.

Chuck Adams, K5FO - CW spoken here....70+ wpm
adams@sgi.com

Date: Mon, 21 Jun 93 17:39:54 GMT
From: orca!olin!alan@uunet.uu.net
Subject: FD ARRL Section List
To: info-hams@ucsd.edu

In article <C8zEAt.Myp@odin.corp.sgi.com> adams@chuck.dallas.sgi.com (Charles
Adams) writes:

>Gang,

>

>for field day, every year, there are some who don't know the proper

...stuff deleted...

>

>hint: wanna increase your CW speed? work FD and SS. your code speed
> will really go up in a hurry. get an Elmer and help them with logging
> and dapping to start. requires earphones for both in most cases.

I agree with this 100 percent. Start out in the Novice bands, then
work your way down in frequency. The high speed guys tend to gather
at the low ends of the CW bands.

>

>after this test you'll be copying morse from the shower, the fans, and lots
>of background noise. ;-))

>

>good luck in the TEST (Emergency Preparedness). watch out for the critters
>and Murphy. this is the largest gathering of radio amateurs to see who can
>destroy the most equipment..... :-) war stories to follow next week.

>

>73 de NTX u b 599 hr om. dit dit

>Dinasour Valley DX Society /5 QRP

>

>flames to follow on the internet for typos, etc. :-) let the games begin.

>

>--

>

>"This is UNIX(tm)! I can do this." - Lex in Jurassic Park in front of
>SGI workstation.

>

A minor nit here, Chuck...I waited for this line in the movie (we
went to see J.P. yesterday) and the way I heard it was, "This is
UNIX(tm)! I know this."

GL FD...

> Chuck Adams, K5FO - CW spoken here....70+ wpm

> adams@sgi.com

--

Alan Brubaker, K6X0 |~|_ "Pumps have handles, Hams have names;
<IYF disclaimer> | * |mine's Lee, what's yours?" - Lee Wical,
Internet: alan@dsd.es.com|____|KH6BZF, the Bloomin' Zipper Flipper.

Date: 21 Jun 1993 18:10:50 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!noc.near.net!

news.bbn.com!bbn.com!levin@network.UCSD.EDU

Subject: FD ARRL Section List

To: info-hams@ucsd.edu

adams@chuck.dallas.sgi.com (Charles Adams) writes:

|6 EB LAX ORG SB SCV SDGO SF SJV SV PAC

Prize goes to anyone who can identify the names of these sections. My
first field day I had a heck of a time finding these sections in CT
based on their spoken names (is it SCV? or SJV? or just SV?).

|hint: wanna increase your CW speed? work FD and SS. your code speed

| will really go up in a hurry. get an Elmer and help them with logging
| and dupping to start. requires earphones for both in most cases.

|after this test you'll be copying morse from the shower, the fans, and lots
|of background noise. ;-)

Boy is this true. Every change int water flow, every buzz in the car
engine sounds like a signal after a day of CW contest or FD operating.

/J

=

Nets: levin@bbn.com | "Earn more sessions by sleeving."

pots: (617)873-3463 |

KD10N (@KB4N.NH.USA) |

-- Roxanne Kowalski

Date: 21 Jun 93 16:04:24 GMT
From: news-mail-gateway@ucsd.edu
Subject: Field Day
To: info-hams@ucsd.edu

The Wellesley Amateur Radio Society and the Babson Wireless Club will operate Field Day from the lower athletic fields on the campus of Babson College in Wellesley, Mass. (former site of WBOS AM). We'll be operating 4A this year, primarily on 80/75m, 40m, and 20m both phone and CW. Depending on band openings, we may also be on 15m and 6m. We'll also have a 2m packet radio station going. Antennas will be various horizontal and vertical wire antennas and yagis for 20m and 6m. The power source will be the Wellesley Civil Defense 10 kW(?) generator. We'll also have a solar-powered QRP station active.

Local hams and non-hams are invited to stop by and see amateur radio in action and get on the air!

73 de Scott W01G, Vice Pres. Wellesley ARS

=====

Scott Sminkey

Software Sustaining Engineering

Xyplex, Inc.

295 Foster St.

Littleton, MA 01460

voice: 508 952-4792

fax: 508 952-4702

email: sasminkey@eng.xyplex.com

(Opinions, comments, etc. are mine, not Xyplex's...)

Date: 21 Jun 93 11:59:54
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!spool.mu.edu!caen!
nigel.msen.com!fmsrl7!lynx.unm.edu!dns1.NMSU.Edu!opus!forozco@network.UCSD.EDU
Subject: HELP: freq's for RS10/11
To: info-hams@ucsd.edu

I would like to know both the uplink and downlink frequencies for
RS-10/11. I know that the beacon is on 29.357, and that the downlink
is "subband" is also around there, but I need the exact frequencies.

Also, I need the beacon frequency for OSCAR 10.

please email any replies.

thanks and 73's de Luis

--

Luis F. Orozco	N	5	U	H	B
forozco@dante.nmsu.edu			g	o	o
forozco@freedom.nmsu.edu			l	m	y
			y	e	

Date: 21 Jun 1993 17:57:06 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!elroy.jpl.nasa.gov!news.aero.org!
barger@network.UCSD.EDU
Subject: KLM Antenna Weatherization
To: info-hams@ucsd.edu

I am finally getting ready to setup my home satellite station. I have
assembled a KLM 40CX and KLM 20C. I have a couple of questions that
other users of these antennas may be able to help with.

1. The 20C polarity switching board is exposed to the weather. I'm
concerned that the traces will eventually corrode. What is a good way
to weatherize/seal the board?
2. The ends of the coax used for the baluns are exposed and water can
get into the coax. What should be used to seal the ends of the balun
coax?

3. I know this has been covered, so *briefly* what is the best way to weatherize coax connections to the antenna?

4. Any other hints or tips users can pass along.

73 Joe N6KK
barger@aerospace.aero.org

Date: 21 Jun 1993 15:10:10 GMT
From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!flinxwei@network.UCSD.EDU
Subject: SAREX help
To: info-hams@ucsd.edu

Hi-

I am trying to get some SAREX work during this current mission but have no idea where to start. I am assuming all that I need are the elements and treat it as a satellite-- is this correct? If so, where might I be able to get the most up-to-date elements from?

Any and all advice much appreciated...

73,
Eric N8UNN

Eric Linxweiler, N8UNN
The Ohio State Univeristy

W8LT
The OSU-Amateur Radio Club
Repeater: W8ZR\R 442.6+

internet: linxweiler.1@osu.edu
packet: n8unn@w8cqk.#cmh.oh.usa.na
voice: 614/297-8042

Date: 21 Jun 1993 12:33:11 -0400
From: news!news.world.net!speedway.net!not-for-mail@uunet.uu.net
Subject: Trade Wanted: Radio for Modem
To: info-hams@ucsd.edu

I'd like to make the following trade:

A used Realistic DX-360 portable radio[AM:520-1620kHz, FM:88-108MHz, LW:150-265 kHz, SW1:4.5-5.5MHz, SW2:5.8-7.5MHz, SW3:8.2-10.0MHz, SW4:11.4-14.0MHz, SW5:14.6-18.2MHz, SW6:21.0-26.1MHz]. Has volume

and tone control, tuning and low battery LEDs, earpiece plug, and runs off of 4-"AA" cell batteries or 6v adapter(not included).

For a standard external computer modem(standard meaning it uses the basic 25-pin to 25-pin connection).

So, if you've just upgraded to a new 20,000,000baud modem with ice-cube making attachment and would like to get rid of your old modem, then please drop me some mail. Would like to make this trade as-soon-as-possible. Thanks.

Donald

mail='donaldh@speedway.net'

--

Donald Holman on Speedway Free Access -- (10288)-1-503-520-2222
donaldh@speedway.net

Date: 21 Jun 1993 16:20:21 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: TV vs Cable. Why Pay for a FREE Signal
To: info-hams@ucsd.edu

> Right now the cable companies have a
> free ride on the programming costs absorbed by the broadcaster while
> "pirating" away his broadcast audience and charging *them* for it.

That's a point of view. I'm sure the cable companies view it as providing the broadcaster an opportunity to expand his audience to people who don't have access to decent antenna systems. Frankly, I don't think it's going to be the CATV who are going to suffer if they decide to drop broadcast stations rather than have these fees extorted from them. It's not the broadcast stations that are the money makers for them.

-Ron

Date: Mon, 21 Jun 93 16:21:45 GMT
From: orca!olin!alan@uunet.uu.net
Subject: Utah Balloon Flight.
To: info-hams@ucsd.edu

Some of you may be wondering what happened with the balloon which was carrying a repeater and a beacon that was launched last

Saturday from southern Utah. As usual, Murphy struck. A sketchy report from George, WI7E, stated that the beacon never worked, and the repeater never worked correctly during the short flight. The repeater was IDing, but the only time that a signal could get through the repeater was during the ID sequence. Otherwise it was silent. The balloon got lost somewhere over the LaSal mountains - one of the balloons (there were three weather balloons) broke and the remaining two balloons could not keep the equipment aloft. Next time.

--

Alan Brubaker, K6X0 |~|_ "Pumps have handles, Hams have names;
<IYF disclaimer> | * |mine's Lee, what's yours?" - Lee Wical,
Internet: alan@dsd.es.com|____|KH6BZF, the Bloomin' Zipper Flipper.

Date: 21 Jun 1993 12:27:01 -0500
From: pravda.sdsc.edu!news.cerf.net!usc!elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!
gerald@cc.utexas.edu!emx.cc.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: VE3UOG - Guelph
To: info-hams@ucsd.edu

Is there anyone on this group from the Univ. of Guelph ham radio club? I have a relative going there in the fall and would be interested in arranging some skeds.

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: 21 Jun 93 17:28:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: WB2LHY
To: info-hams@ucsd.edu

Just received the news that John Broesder, WB2LHY became a Silent Key. John will be missed by all that had met him over the years. John was a past president of the Sussex County Amateur Radio Club in Newton, N.J. and was the editor of the club newsletter for the past 8 years. John always encouraged others to take their amateur radio license test to become a Ham. Thanks to his encouragement, both his two older brothers got their general license this past year.

de KZ2X

End of Info-Hams Digest V93 #757
